

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Previously Presented) A system for managing visual images of vehicles, comprising:
 - a first digital video image collector positioned to capture a first data file that is representative of a visual image of at least one non-emissions feature of a first vehicle moving on a roadway, the first digital video image collector including a first communications port;
 - a first video illumination source positioned to illuminate the at least one non-emissions feature of the first vehicle;
 - a computing device having a processor, a memory, and a second communications port;
 - a first communications link between the first communications port and the second communications port;
 - a first information collection device comprising an open path emission sensor in communication with the computer, the first information collection device having a first emissions illumination source to illuminate emissions of the first vehicle, and positioned to capture emissions data corresponding to the first vehicle.
2. (Original) The system of claim 1 wherein the first communications port is capable of transferring data at a transfer rate substantially equal to at least one of 100, 200, and 400 megabits per second.
3. (Original) The system of claim 1 wherein the first communications port substantially complies with the IEEE 1394 Standard for a High Performance Serial Bus.

4. (Original) The system of claim 1 wherein the first communications link comprises a serial connection capable of transferring data at a transfer rate substantially equal to a least one of 100, 200, and 400 megabits per second.

5. (Previously Presented) The system of claim 7 further comprising:

a second digital video image collector positioned to capture a second data file that is representative of a visual image of at least one non-emissions feature of a second vehicle moving on a roadway, the second digital camera including a third communications port;

a second video illumination source positioned to illuminate the at least one non-emissions feature of the second vehicle; and

a second communications link between the third communications port and the first digital video image collector.

6. (Previously Presented) The system of claim 5 wherein the second information collection device is further positioned to capture emissions data corresponding to the second vehicle.

7. (Previously Presented) The system of claim 5 further comprising a second information collection device comprising an open path emissions sensor in communication with the computer, the second information collection device having a second emissions illumination source to illuminate emissions of the second vehicle, and positioned to capture emissions data corresponding to the second vehicle.

8. (Original) The system of claim 5 wherein the third communications port is capable of transferring data at a transfer rate substantially equal to at least one of 100, 200, and 400 megabits per second.
9. (Original) The system of claim 5 wherein the third communications port substantially complies with the IEEE 1394 Standard for a High Performance Serial Bus.
10. (Original) The system of claim 5 wherein the second communication link comprises a serial connection capable of transferring data at a transfer rate substantially equal to at least one of 100, 200, and 400 megabits per second.
11. (Cancelled)
12. (Currently Amended) A method of capturing and managing vehicle images, comprising:
 - illuminating, using a first video illumination source, positioned to illuminate at least one non-emissions feature of the first vehicle;
 - collecting using a first video capture device, a first digital image of at least one non-emissions feature of a first vehicle
 - recognizing a desired feature in the digital image;
 - storing the desired feature in an uncompressed format;
 - storing the remainder of the image in a compressed format;

collecting, using a data collection device comprising an open path emission sensor having a first emissions illumination source to illuminate the emissions of the first vehicle, and first data representative of emissions of the first vehicle; and

delivering the first digital image and the first data to a computer program memory via at least one communications link.

13. (Original) The method of claim 12 wherein the delivering step is performed at a transfer rate substantially equal to at least one of 100, 200, and 400 megabits per second.

14. (Original) The method of claim 12 wherein the delivering step is performed via a serial connection that substantially complies with the IEEE 1394 Standard for a High Performance Serial Bus.

15. (Original) The method of claim 12 comprising wherein the first video capture device and the memory are housed in a single housing, and the delivering step is performed via an IEEE 1394 serial bus.

16. (Original) The method of claim 15 wherein:

the first video capture device and the memory are housed in separate housing, and the communication link comprises a first communications port associated with the video capture device, a second communications port associated with the memory, and a serial cable; and

the delivering step comprises transferring data at a transfer rate substantially equal at least one of 100, 200, and 400 megabits per second.

17. (Cancelled)

18. (Currently Amended) The method of claim 12 comprising the additional steps of:

illuminating, using a second video illumination source, positioned to illuminate at least one non-emissions feature of the second vehicle;

collecting, using a second video capture device, a second digital image of at least one non-emissions feature of a second vehicle;

collecting, using a data collection device, having a second emissions illumination source to illuminate emissions of the second vehicle, second data representative of emissions of the second vehicle

recognizing a desired feature in the digital image;

storing the desired feature in an uncompressed format;

storing the remainder of the image in a compressed format; and

delivering the second digital image and the second data to the computer program memory.

19. (Original) The method of claim 18 wherein the delivering of the second data in the delivering step comprises delivering the second digital image to the first video capture device via a second communications link and subsequently delivering the second digital image to the computer program memory via a first communications link.

20. (Currently Amended) A system for capturing and managing vehicle images, comprising:

a means for capturing a first image of a first vehicle;

means for illuminating for video at least one non-emissions feature of the first vehicle,
said means positioned to illuminate the non-emissions feature of the first vehicle;

a means for capturing first data representative corresponding to the first vehicle
comprising an open path emission sensor, having means for emissions-illuminating to illuminate
the emissions of the first vehicle and having means for recognizing a desired feature in the digital
image, storing the desired feature in an uncompressed format, and storing the remainder of the
image in a compressed format; and

a means for delivering the first image and the first data to a memory of a computing
device at a transfer rate substantially equal to at least one of 100, 200, and 400 megabits per
second.

21. (Currently Amended) The system of claim 20, further comprising:

means for illuminating for video at least one non-emissions feature of the second vehicle,
said means positioned to illuminate the non-emissions feature of the second vehicle;

a means for capturing a second image of a second vehicle;

a means for capturing second data representative of emissions corresponding to the
second vehicle , having means for emissions-illuminating to illuminate the emissions of the
second vehicle and having means for recognizing a desired feature in the digital image, storing
the desired feature in an uncompressed format, and storing the remainder of the image in a
compressed format; and

a means for delivering the second image and the second data to the memory at a transfer rate substantially equal to at least one of 100, 200, and 400 megabits per second.

22. (Cancelled)